

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 July 2005 (21.07.2005)

PCT

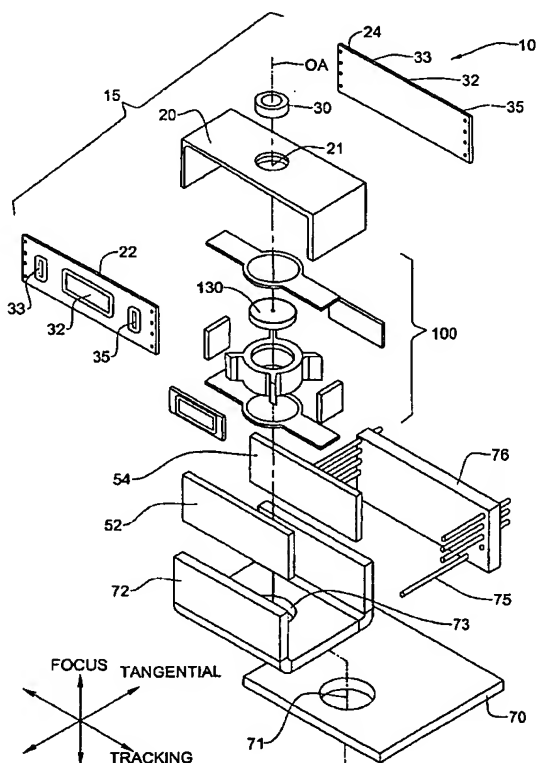
(10) International Publication Number
WO 2005/066945 A1

- (51) International Patent Classification⁷: **G11B 7/09, 7/135** (71) Applicant (for MN only): **MEMPILE LTD.** [IL/IL]; 5 Yaakov Eliav Street, Givat Shaul, 95483 Jerusalem (IL).
- (21) International Application Number: **PCT/IL2005/000040** (72) Inventor; and (75) Inventor/Applicant (for US only): **ERNST, Charles** [US/US]; 14410 N. Holmes Road, Colorado Springs, CO 80908 (US).
- (22) International Filing Date: 12 January 2005 (12.01.2005)
- (25) Filing Language: English (74) Agent: **REINHOLD COHN AND PARTNERS**; P.O. Box 4060, 61040 Tel Aviv (IL).
- (26) Publication Language: English
- (30) Priority Data: 60/535,536 12 January 2004 (12.01.2004) US (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
- (71) Applicant (for all designated States except US): **MEM-PILE INC.** [US/US]; c/o PHS Corporate Services, Inc., Suite 5100, 1313 N. Market Street, Wilmington, Delaware 19801 (US).

[Continued on next page]

(54) Title: **LENS ACTUATOR ASSEMBLY FOR OPTICAL HEAD**

(57) Abstract: A lens actuator assembly for an optical head has a lens system for focusing a beam of radiation in a focusing direction. Two separate actuators are used for the two lens arrangements of the system. The actuators are arranged to provide a compact and robust configuration for the assembly.



WO 2005/066945 A1



TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.